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- (71) Applicant(s):
  e2TECH Limited
  (Incorporated in the United Kingdom)
  C/o Weatherford International Inc,
  515 Post Oak Blvd, Suite 600, Houston,
  Texas 77027, United States of America
- (72) Inventor(s):
  Philip Michael Burge

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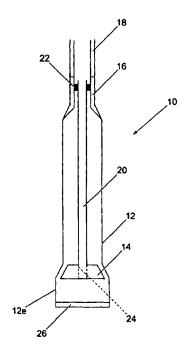
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GB 2261238 A US 4890682 A US 4058163 A

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- (54) Abstract Title: Apparatus and method for expanding tubular members
- (57) Apparatus and methods of expanding tubular members are disclosed. In one embodiment, the apparatus includes a vibrating device (16) that is capable of imparting a longitudinal and/or lateral and/or oblique vibration to a tubular member (12) or string (18) as it is being run into a borehole or wellbore. In another embodiment, the vibrating device (16) imparts a longitudinal and/or lateral and/or oblique vibration to a tubular member (12) and/or expander device (14), as the tubular member (12) is being radially expanded by the expander device (14).



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## GB 2401134 A continuation

(74) Agent and/or Address for Service: Murgitroyd & Company Scotland House, 165-169 Scotland Street, GLASGOW, G5 8PL, United Kingdom